

RESPONSE TO RESTRICTION REQUIREMENT
U.S. Appln. No. 10/712,277

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1. (Original) A flexible ocular device for implantation into the eye formed of a biocompatible elastomeric material, foldable to a diameter of 1.5 mm or less, comprising a fluid drainage tube having at one end a foldable plate adapted to locate the device on the inner surface of the sclera in a suprachoroidal space formed by cyclodialysis, said drainage tube opening onto the disc at one end and opening to the anterior chamber when implanted into the eye at its other end, so as to provide aqueous pressure regulation.

Claim 2. (Currently Amended) A—The device according to claim 1, wherein said fluid drainage tube has a diameter selected to provide predetermined resistance to aqueous flow.

Claim 3. (Currently Amended) A—The device according to claim 2, wherein said predetermined resistance is at a pressure of 10 mm Hg or less.

Claim 4. (Currently Amended) A—The device according to claim 1, wherein said tube contains a valve so as to regulate pressure of the aqueous at a predetermined level.

Claim 5. (Currently Amended) A—The device according to claim 4, wherein said predetermined level is a pressure of 10 mm Hg or less.

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Claim 6. (Currently Amended) ~~A—The~~ device according to claim 1, wherein said plate has a diameter from 0.05 to 6 mm and a thickness from 12.5 μ to 250 μ .

Claim 7. (Currently Amended) ~~A—The~~ device according to claim 1, wherein said tube has a length from 1 mm to 4 mm.

Claim 8. (Currently Amended) ~~A—The~~ device according to claim 1, wherein said tube comprises an outer diameter of 400-1000 μ and an inner diameter from 50 to 500 μ .

Claim 9. (Currently Amended) ~~A—The~~ device according to claim 4, wherein said valve comprises a slit valve.

Claim 10. (Original) A method for treating glaucoma which comprises:

providing a flexible ocular device formed of a biocompatible elastomeric material foldable to a diameter of 1.5 mm or less, comprising a fluid drainage tube having at one end a foldable plate adapted to locate the device on the inner surface of the sclera and at its other end being open so as to allow fluid communication through said tube;

forming a small self-sealing incision at the juncture of the cornea and sclera of the eye opening into the anterior chamber;

filling the anterior chamber with a viscoelastic substance;

introducing the foldable ocular device into a suprachoroidal space formed by cyclodialysis via a hollow cannula, wherein said plate locates the device on the inner surface of the sclera in the suprachoroidal space, and said drainage tube is located in the anterior chamber of the eye so as to provide aqueous humor pressure regulation; and

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thereafter removing said cannula and viscoelastic material from the eye.

Claim 11. (Currently Amended) A—The method according to claim 10, wherein said fluid drainage tube has a diameter selected to provide predetermined resistance to aqueous flow.

Claim 12. (Currently Amended) A—The method according to claim 10, wherein ~~wherein~~ said predetermined resistance is at a pressure of 10 mm Hg or less.

Claim 13. (Currently Amended) A—The method according to claim 10, wherein said tube contains a valve so as to regulate pressure of the aqueous at a predetermined level.

Claim 14. (Currently Amended) A—The method according to claim 13, wherein said predetermined level is a pressure of 10 mm Hg or less.

Claim 15. (Currently Amended) A—The device according to claim 10, wherein said plate has a diameter from 0.05 to 6 mm and a thickness from 12.5 μ to 250 μ .

Claim 16. (Currently Amended) A—The method according to claim 10, wherein said tube has a length from 1 mm to 4 mm.

Claim 17. (Currently Amended) A—The method according to claim 10, wherein said tube comprises an outer diameter of 400-1000 μ and an inner diameter from 50 to 500 μ .

Claim 18. (Currently Amended) A—The method according to claim 13, wherein said valve comprises a slit valve.

Claims 19-21. (Cancelled).